



DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
WASHINGTON, D.C. 20350

IN REPLY REFER TO

OPNAVINST 5450.199
Op-371D
2 OCT 1978

OPNAV INSTRUCTION 5450.199

From: Chief of Naval Operations

Subj: Fleet Introduction Teams (FIT's) for USS OLIVER HAZARD PERRY (FFG 7) Class Frigate Program; establishment of

Ref: (a) OPNAVINST 3500.23B

Encl: (1) Subject Program

1. Purpose. This instruction modifies and supports reference (a), implements the Fleet Introduction Team (FIT) concept for the OLIVER HAZARD PERRY (FFG 7) class frigates and promulgates the procedures for the introduction of FFG 7 class ships to the fleet.

2. Information

a. The mission and task assignments for the FFG 7 FIT are contained in enclosure (1). While not separate activities of the shore establishment, the FFG 7 FIT will consist of three teams which will each function under the direction of an officer in charge. The team at Bath, ME will form in November 1978. The team at Los Angeles, CA, is authorized to form in February 1979 and the team at Seattle, WA, is authorized to form in March 1979. The following Manpower Authorization (MPA) activity names have been assigned:

<u>TEAM</u>	<u>ACTIVITY</u>	<u>UIC</u>
I	FFG 7 Class FIT Bath, ME	35662
II	FFG 7 Class FIT LA, CA	42598
III	FFG 7 Class FIT Seattle, WA	42599


b. The FFG 7 Class FIT's will be assigned to the Naval Surface Force Commanders. The chain of command for TEAM I is COMNAVSURFLANT, CINCLANTFLT, and CNO; for TEAMS II and III, COMNAVSURFPAC, CINCPACFLT, and CNO.

c. Command relationships of the Officer in Charge, FIT shall be the same as those exercised by new construction prospective commanding officers (PCO), as governed by U.S. Navy Regulations and other directives. The Officer in Charge, FIT shall perform all tasks normally assigned to the PCO until relieved by him. Additional duties, responsibilities, and relationships are outlined in enclosure (1).

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d. FIT personnel will be ordered in accordance with the rating and NEC requirements contained in the applicable Manpower Authorization (MPA).

3. Action. Addressees shall take appropriate action to provide all of the support for those parts of enclosure (1) for which they are responsible.


J. H. DOYLE, JR.
Chief of Naval Operations
(Surface Warfare)

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	FKP8	(SUPSHIP) (Bath, Los Angeles and Seattle, only)
	FKP14	(FLTCOMBATDIRSSACT)
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FFG 7 FLEET INTRODUCTION TEAM

Ref: (a) OPNAVINST 4700.30
(b) OPNAVINST 4700.8F
(c) FFG 7 Navy Training Plan (NTP S30-7409)
(d) U.S. Navy Regulations, 1973
(e) OPNAVINST 3500.23B
(f) OPNAVINST C9000.4

1. Purpose. To establish the FFG 7 Fleet Introduction Teams and delineate their responsibility relating to the FFG 7 Class ships.

2. Background

a. USS OLIVER HAZARD PERRY (FFG 7), the lead ship of its class, was delivered in November 1977. Reference (a) outlined a special introduction program, specifically tailored to the special requirements of the first ship of a class. The FFG 8 and subsequent ships of the class will be introduced in accordance with references (b) through (f) as amplified by this instruction.

b. Recent ship acquisitions have employed the Fleet Introduction Team (FIT) concept, which has been successfully employed in the introduction of large numbers of ships--such as the LST 1179 and DD 963 classes--built by a single shipbuilder. The FFG 7 program, however, has a much different shipbuilding and delivery profile. For example, the lead ship of the FFG 7 class was delivered two years before the first follow ship. Therefore, validated drawings, complete documentation, logistic support, administrative organization and procedures will be available for all follow ships prior to delivery.

c. Present plans envision a total of about 55 FFG 7 class ships to be produced in three building yards; Bath Iron Works, Bath, Maine; Todd Pacific Shipyard Corp. (Los Angeles Div.), Los Angeles, California; and Todd Pacific Shipyard Corp. (Seattle Div.), Seattle, Washington. These shipyards will begin delivering ships in early FY 1980 at a rate of about 3 ships per shipbuilder per year. A large FIT, similar to that of the DD 963 program, is not feasible in view of the scarcity of skilled Navy manpower to man each team. Therefore, a nucleus/balance crew concept for fleet introduction, supported by a FIT of 4 officers and 20 enlisted personnel at each building yard, will be employed for the FFG 7 class shipbuilding program. Annex A pertains.

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3. Responsibilities

a. Chief of Naval Operations

(1) The Guided Missile Frigate (FFG-7) Program Coordinator, under the direction of the Director, Ship Acquisition and Amphibious, MLSF, Mine and Special Warfare Division (OP-37), shall be the representative of the CNO for coordinating all activities relating to the FFG-7 Class introduction. He shall serve as the single central point of contact for all matters dealing with the FFG-7 fleet introduction teams.

b. Chief of Naval Material

(1) Supervise construction and fitting out such that the ships are materially ready for trials and fully fitted out at delivery in accordance with the requirements of reference (b).

(2) Carry out Production and Acceptance Test and Evaluation (PAT&E) plans to demonstrate that each ship fulfills the requirements of the ship construction contract and design specifications, and to assure proper equipment and systems operation at delivery.

(3) Ensure that the ship is ready for acceptance trials and certified as such prior to its presentation to the Trial Board.

(4) Develop material allowances and ensure that each ship is fully outfitted upon commissioning.

(5) Ensure that complete technical documentation is updated and that all required technical documentation is on board at delivery.

(6) Develop a schedule of events for required post delivery tests and trials in coordination with the FIT and the Naval Surface Force Commanders.

(7) Provide necessary support facilities for the FITs at each building site.

(8) Provide such technical assistance to PCO and PRESINSURV as may be requested for the conduct of builders' trials and acceptance trials.

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(9) Develop and direct a program for identifying, promulgating and correcting FFG-7 Class trial discrepancies during construction of follow-on ships, thereby maintaining configuration control and class standardization.

(10) Program, budget, allocate and employ resources to implement training outlined in reference (c), coordinating with the training agency responsible for follow-on and/or replacement training.

c. Chief of Naval Personnel

(1) Order fleet introduction teams to each building yard as set forth in the Annex B.

(2) Ensure that FIT personnel receive training en route for the NEC's required in the applicable MPA.

d. Chief of Naval Education and Training

(1) Provide the required training facilities, curricula, instructors, devices and other resources to support pipeline training for FIT personnel, as determined by reference (c) and not included in contracted factory training.

e. Fleet Commanders in Chief

(1) Shall have overall responsibility for fleet introduction of assigned ships of the class.

(2) Shall provide such assistance during pre- and post-delivery tests and trials as may be requested by the Chief of Naval Material.

(3) Provide appropriate facilities, curricula, instructors, and resources to support pipeline training for FIT personnel as defined in reference (c).

f. Type Commander. Under the Fleet Commander, the Naval Surface Commander shall:

(1) Be responsible for the organization and management of the fleet introduction of the FFG-7 class.

(2) Provide, through the Fleet Introduction Teams, all necessary support to the Prospective Commanding Officers for the initial organization, administration and training of nucleus and balance crews.

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(3) Identify to Commander Training Command Atlantic/Pacific requirements for FFG-7 Class balance crew training.

(4) Provide for the certification of each FFG-7 Class ship crew prior to departure from the building yard and the commencement of at-sea operations.

g. Prospective Commanding Officer. Under the Naval Surface Force Commanders, the prospective commanding officer, in accordance with references (d) and (e) and as amplified in Annexes B and C shall:

(1) Relieve the OIC, FIT of precommissioning duties.

(2) If he does not consider the ship in proper condition to be commissioned at the time the Supervisor of Shipbuilding signifies his intention of transferring the ship to him, report that conclusion with his reasons therefore, in writing, to the Supervisor of Shipbuilding and to the appropriate higher authority.

(3) Assisted by the OIC, FIT, train and organize his crew to the TYCOM standards for initial crew certification.

(4) Monitor the progress of construction, outfitting, tests and trials of each ship.

h. Fleet Introduction Team (FIT). Under the Naval Surface Force Commander, the OIC FIT shall:

(1) Perform all tasks normally assigned to the PCO until the PCO has reported to the building site and assumed his duties.

(2) Provide assistance to the PCO/CO in carrying out his duties in accordance with references (d) and (e).

(3) Provide continuity in the management and administration of pre-com facilities at the building site.

(4) Coordinate the overall pre-com crew training program for both nucleus and balance crews.

(5) Schedule and conduct crew training at the building site. Such training shall be structured to support the TYCOM standards for crew certification.

(6) Monitor the progress of construction, outfitting, tests and trials of each ship.

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(7) Provide each PCO with standardized administrative, organizational and procedural manuals, bills and directives for FFG-7 Class ships.

(8) Perform the specific functions described in Annex D and such additional duties as assigned by the TYCOM.

(9) When assigned to FIT I, perform the duties of the FIT coordinator as specified in Annex C.

4. Command Relationships

a. The OIC, FIT at each building site is the direct representative of the Naval Surface Force Commander. He shall report to the Naval Surface Force Commander on all matters pertaining to the proper and timely delivery, commissioning, and preparation for sea of each ship.

b. Prior to the arrival of the PCO, the duties of OIC, FIT will include monitoring and reporting the progress of the construction outfitting and testing of each ship; however, official contact with the shipbuilder will only be affected via the Supervisor of Shipbuilding (SUPSHIPS) who is the on-site representative for CHNAVMAT and is the Contract Administrator. Further, OIC, FIT is not and shall not act as an agent of the SUPSHIPS.

c. When the PCO has assumed his duties, he shall relieve the OIC, FIT of all monitoring and reporting responsibilities. A structured turnover process shall be accomplished. Thereafter, the role of the OIC, FIT will be to provide direct support to the PCO/CO. From the time of his arrival at the building site until ship commissioning, the PCO shall report directly to the Naval Force Commander, information to the ultimate IUC and FIT and SUPSHIPS as appropriate. Upon commissioning and thereafter, the CO shall report to the IUC, information to the Naval Surface Force Commander, Group Commander and to the FIT and SUPSHIPS as appropriate.

d. Facilities and support for the FIT at the building site will be provided under the terms of the shipbuilding contract.

e. In the capacity of FIT coordinator, OIC, FIT I shall act as the representative of both Naval Surface Force Commanders in coordination of the following:

(1) the development of standardized procedures and directives for the implementation, organization and administration of the FITs, and

(2) the development of standardized FFG-7 Class manuals, bills and directives.

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ANNEXES TO ENCLOSURE (1)

- A. FFG-7 CLASS FIT CONCEPT
- B. ORGANIZATIONAL STRUCTURE
- C. FIT COORDINATOR, DUTIES AND RESPONSIBILITIES
- D. FIT RESPONSIBILITIES AND DUTIES
- E. FFG-7 CREWS

Enclosure (1)

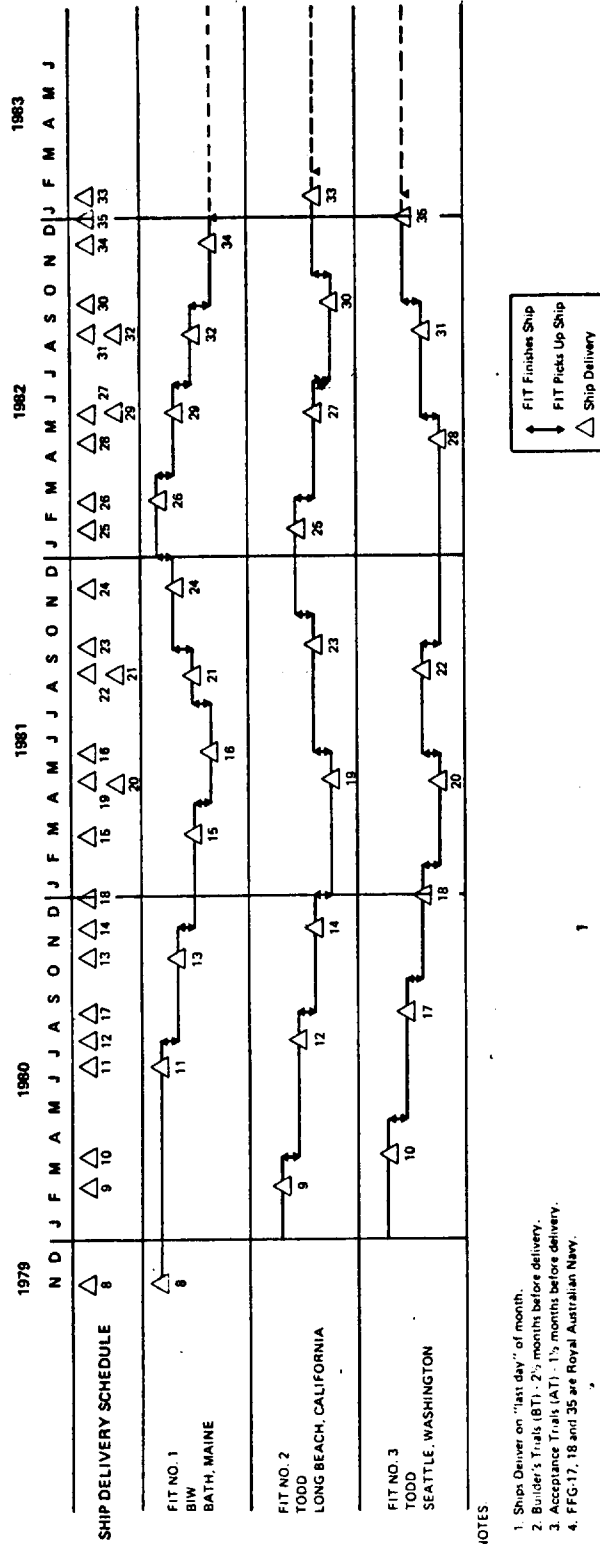
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ANNEX A
FFG 7 CLASS FIT CONCEPT

1. Fleet Introduction Teams: In a multiple-ship production program, benefits are derived if continuity and standardization of ship deliveries and procedures are achieved. The establishment of FIT's, combined with the nucleus crews, provides a logical and economical means for achieving program stabilization. The FFG 7 class will utilize one FIT at each of the three building shipyards. The specific team/ship assignment schedule is graphically depicted in Appendix I to this annex. The FIT's will have the responsibility of providing administrative and technical continuity, crew familiarization and training, and other support to new-construction ship prospective commanding officers (PCOs) and the commissioning crews. The three teams will be established approximately 12 months prior to the scheduled commencement of the first follow-ship (FFG 8) delivery. FIT I (Bath) will be responsible for the formulation of standardized procedures for all three teams.

ANNEX A to
Enclosure (1)

FLEET INTRODUCTION TEAM - ASSIGNMENT/SCHEDULE-TENTATIVE



NOTES:

1. Ships Deliver on "last day" of month.
2. Builder's Trials (BT) - 2½ months before delivery.
3. Acceptance Trials (AT) - 1½ months before delivery.
4. FFG-17, 18 and 35 are Royal Australian Navy.

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ANNEX B
ORGANIZATIONAL STRUCTURE

1. Organizational Structure

a. The FFG 7 Class Fleet Introduction Teams are assigned to the Commander, Naval Surface Forces--Team I Atlantic and Teams II and III Pacific.

b. FIT I will be located at Bath, Maine. FIT II will be located at Long Beach, California. FIT III will be located at Seattle, Washington.

c. Each team will consist of four officers, one of whom will be officer in charge, and 20 senior enlisted personnel specifically trained in the equipments and systems of the FFG 7 Class ships. The various ratings and NECs of the FIT personnel have been selected to parallel the technical skills of the commissioning crews. A detailed listing of personnel requirements for each team is contained in Appendix I to this annex.

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APPENDIX I

FFG 7 CLASS FLEET INTRODUCTION TEAM - NO. 1 - BATH
PERSONNEL REQUIREMENTS

SHAPM: SHIP ACQUISITION PROJECT MANAGER
NAVSEASYS COM (PMS 399)

FIT GEOGRAPHIC LOCATION: BATH, MAINE

DUTY STATION/COMMAND: SUPERVISOR OF SHIPBUILDING,
CONVERSION AND REPAIR
BATH, MAINE 04530

COMMAND AND SUPPORT: COMNAVSURFLANT

MANPOWER CLAIMANT: CINCLANTFLT

ADMINISTRATIVE SUPPORT ACTIVITY: NAVAL AIR STATION BRUNSWICK,
MAINE 04011

CNO PROGRAM SPONSOR: OP-37

CNO MANPOWER SPONSOR: OP-39

EFFECTIVE DATE OF BILLETS: 1 NOVEMBER 1978

BILLET #	BILLET TITLE	NOBC/NEC	DESIGNATOR GRADE/RATE	QTY
O-101	officer in Charge	9222	1110H	1
O-102	Engineer Officer	9364	11101	1
O-103	Combat Systems Officer	9275/9258	1110J	1
O-104	Support Officer	1918/1045	3100J	1
TOTAL				4
E-101	Ship Control System Tech	QM-0000	QMC	1
E-102	Deck System Tech	BM-0000/9555	BMC	1
E-103	Comm System Tech	RM-2313/2346	RMC	1
E-104	CIC Systems Tech	OS-0302	OSC	1
E-105	ASW System Tech	ST-0402	STGC	1
E-106	Combat Systems Senior Technician	FT-1104/9531	FTCS	1

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BILLET #	BILLET TITLE	NOBC/NEC	DESIGNATOR GRADE/RATE	QTY
E-107	Ordnance System Tech	GM-0991	GMMC	1
E-108	Ordnance System Tech	GM-0878	GMG1	1
E-109	Electronic System Tech	ET-1503/ 1504/ 9531/	ETC	1
E-110	Electronic System Tech	ET-1453/1438	ET1	1
E-111	Interior Communications Systems Tech	IC-4703/9531	IC1	1
E-112	Gas Turbine System Tech	GSM-4127	GSMC	1
E-113	Gas Turbine System Tech	GSE-4122	GSEC	1
E-114	Auxiliary System Tech	EN-4124	EN1	1
E-115	Auxiliary System Tech	EM-4126	EM1	1
E-116	Damage Control System Tech	HT-0000/9555	HT1	1
E-117	Administrative Assistant	YN-0000	YNC	1
E-118	Administrative Tech	YN-0000	YN1	1
E-119	Storekeeper Assistant	SK-2815	SKC	1
E-120	Storekeeper Tech	SK-2815	SK1	1
TOTAL				20

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FFG 7 CLASS FLEET INTRODUCTION TEAM - NO. 2 - LONG BEACHPERSONNEL REQUIREMENTS

SHAPM: SHIP ACQUISITION PROJECT MANAGER
NAVSEASYS COM (PMS 399)

FIT GEOGRAPHIC LOCATION: LONG BEACH, CALIFORNIA

DUTY STATION/COMMAND: SUPERVISOR OF SHIPBUILDING,
CONVERSION AND REPAIR
LONG BEACH, CALIFORNIA 90801

COMMAND AND SUPPORT: COMNAVSURFPAC

MANPOWER CLAIMANT: CINCPACFLT

ADMINISTRATIVE SUPPORT ACTIVITY: NAVAL SUPPORT ACTIVITY LONG BEACH
LONG BEACH, CALIFORNIA 90801

CNO PROGRAM SPONSOR: OP-37

CNO MANPOWER SPONSOR: OP-39

EFFECTIVE DATE OF BILLETS: 1 FEBRUARY 1979

BILLET #	BILLET TITLE	NOBC/NEC	DESIGNATOR GRADE/RATE	QTY
O-201	Officer in Charge	9222	1110H	1
O-202	Engineer Officer	9364	1110I	1
O-203	Combat Systems Officer	9275/9258	1110J	1
O-204	Support Officer	1918/1045	3100J	1
TOTAL				4
E-201	Ship Control System Tech	QM-0000	QMC	1
E-202	Deck System Tech	BM-0000/9555	BMC	1
E-203	Comm System Tech	BM-2313/2346	RMC	1
E-204	CIC System Tech	OS-0302	OSC	1
E-205	ASW System Tech	ST-0402	STGC	1
E-206	Combat Systems Senior Technician	FT-1104/9531	FTCS	1
E-207	Ordnance System Tech	QM-0991	GMMC	1
E-208	Ordnance System Tech	QM-0978	GMG1	1

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BILLET #	BILLET TITLE	NOBC/NEC	DESIGNATOR GRADE/RATE	QTY
E-209	Electronic System Tech	ET-1503/ 1504/ 9531	ETC	1
E-210	Electronic System Tech	ET-1453/1438	ET1	1
E-211	Interior Communications System Tech	IC-4703/9531	IC1	1
E-212	Gas Turbine Systems Tech	GSM-4127	GSMC	1
E-213	Gas Turbine System Tech	GSE-4122	GSEC	1
E-214	Auxiliary System Tech	EN-4124	EN1	1
E-215	Auxiliary System Tech	EM-4126	EM1	1
E-216	Damage Control System Tech	HT-0000/9555	HT1	1
E-217	Administrative Assistant	YN-0000	YNC	1
E-218	Administrative Tech	YN-0000	YN1	1
E-219	Storekeeper Assistant	SK-2815	SKC	1
E-220	Storekeeper Tech	SK-2815	SK1	1

TOTAL 20

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FFG 7 CLASS FLEET INTRODUCTION TEAM - NO. 3 - SEATTLEPERSONNEL REQUIREMENTS

SHAPM: SHIP ACQUISITION PROJECT MANAGER
NAVSEASYSOM (PMS 399)

FIT GEOGRAPHIC LOCATION: SEATTLE, WASHINGTON

DUTY STATION/COMMAND: SUPERVISOR OF SHIPBUILDING
CONVERSION AND REPAIR
SEATTLE, WASHINGTON 98115

COMMAND AND SUPPORT: COMNAVSURFPAC

MANPOWER CLAIMANT: CINCPACFLT

ADMINISTRATIVE SUPPORT ACTIVITY: NAVAL SUPPORT ACTIVITY
SEATTLE, WASHINGTON 98115

CNO PROGRAM SPONSOR: OP-37

CNO MANPOWER SPONSOR: OP-39

EFFECTIVE DATE OF BILLETS: 1 MARCH 1979

BILLET #	BILLET TITLE	NOBC/NEC	DESIGNATOR GRADE/RATE	QTY
O-301	Officer in Charge	9222	0111OH	1
O-302	Engineer Officer	9364	1110I	1
O-303	Combat Systems Officer	9275/9258	1110J	1
O-304	Support Officer	1918/1045	3100J	1

TOTAL 4

E-301	Ship Control System Tech	QM-0000	QMC	1
E-302	Deck System Tech	BM-0000/9555	BMC	1
E-303	Comm System Tech	RM-2313/2346	RMC	1
E-304	CIC System Tech	OS-0302	OSC	1
E-305	ASW System Tech	ST-0402	STGC	1

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BILLET #	BILLET TITLE	NOBC/NEC	DESIGNATOR GRADE/RATE	QTY
E-306	Combat Systems Senior Technician	FT-1104/9531	FTCS	1
E-307	Ordnance System Tech	GM-0991	GMMC	1
E-308	Ordnance System Tech	GM-0878	GMG1	1
E-309	Electronic System Tech	ET-1503/ 1504/ 9531	ETC	1
E-310	Electronic System Tech	ET-1453/1438	ET1	1
E-311	Interior Communications System Tech	IC-4703/9531	IC1	1
E-312	Gas Turbine System Tech	GSM-4127	GSMC	1
E-313	Gas Turbine System Tech	GSE-4122	GSEC	1
E-314	Auxiliary Systems Tech	EN-4124	EN1	1
E-315	Auxiliary System Tech	EM-4126	EM1	1
E-316	Damage Control System Tech	HT-0000/9555	HT1	1
E-317	Administrative Assistant	YN-0000	YNC	1
E-318	Administrative Tech	YN-0000	YN1	1
E-319	Storekeeper Assistant	SK-2815	SKC	1
E-320	Storekeeper Tech	SK-2815	SK1	1

TOTAL 20

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ANNEX C

FIT COORDINATOR, DUTIES AND RESPONSIBILITIES

1. FUNCTION. In order to provide the maximum efficiency and standardization CIC, FIT I is assigned as the FIT Coordinator. He will function as the "lead" FIT in the development of policy and procedure pertaining to the implementation, administration and operation of the FITs and in developing standardized manuals, bills and directives for the FFG-7 Class. Beyond this initial effort, he shall continue to function as a central point of contact for update and improvement to these procedures and documentation. He will accomplish his duties in an advisory capacity to the Naval Surface Force Commanders and shall have no direct responsibility for or authority over the other FITs.

2. REQUIREMENTS. The FIT Coordinator will develop and maintain the following:

a. A "FIT MANUAL" for joint promulgation by the Naval Surface Force Commanders. It shall include:

(1) policy and procedure for the implementation, organization and operation of each FIT,

(2) administrative procedures for the establishment of files, records and reports relative to the continuing operation of the FIT,

(3) provision for the inclusion of TYCOM addendum pages to each chapter, section or enclosure to accommodate difference between TYCOMs necessitated by differences in fleet and force organization or command relationships.

b. A prototype "PCO MANUAL" for FIT I that can be tailored to the other FITs. It shall include:

(1) information concerning administrative and logistics support services at the building site,

(2) a detailed schedule of milestones,

(3) enclosures pertaining to each milestone which provide information, reference documents and checklists as appropriate for that milestone,

(4) additional information as deemed appropriate.

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c. A system of serialized message advisories providing new or updated information relative to the fleet introduction of the FFG 7 Class.

ANNEX C to
Enclosure (1)

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ANNEX D
FIT RESPONSIBILITIES AND DUTIES

1. Responsibilities. The overall mission of the FIT is to provide assistance to the PCO/CO to support the successful introduction of each ship. This overall mission may be divided into five functional areas of responsibility. In order of priority, these are:

- a. Coordinate and provide training to support crew certification.
- b. Monitor (in the absence of the PCO) and assist the PCO in monitoring the construction, outfitting, test and trial progress of each ship.
- c. Coordinate the procurement, staging and maintenance of directives, files, records and forms required for administrative outfitting.
- d. Coordinate the scheduling of visits by outside agencies which are in support of the duties and responsibilities of the PCO/CO in preparing the ship for sea.
- e. Maintain the facilities and support functions provided for the FIT and the precom crews.

2. Duties

- a. Training and indoctrination.

(1) The Naval Surface Force Commanders shall provide the FIT with crew certification requirements for FFG 7 Class ships. In support of these requirements, the FIT shall develop and incorporate into the "PCO MANUAL" an overall crew training plan which shall include:

(a) individual, group and team training requirements,

(b) a composite listing of training, indoctrination, formal instruction and assist visits available at the precom detail and/or the building site to support these requirements,

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(c) a recommended schedule for phasing personnel, by billet or watchstation, through the training or indoctrination for each billet or watchstation,

(d) a recommended schedule for post-delivery drills and exercises in preparation for crew certification (including LOE).

(2) The foregoing effort is an extension of, and complementary to, the FFG 7 NTP pipeline. The FIT will identify those training requirements not provided for in the NTP and either identify sources for training or provide the training from within Fleet/TYCOM assets. Throughout this process, each FIT shall, through the FIT Coordinator, provide feedback via the Naval Surface Force Commanders on modifications and improvements on the NTP.

(3) Each FIT will procure and maintain a library of training documentation, material and aids to support crew training at the building site.

(4) Each FIT will be organized to provide instruction, indoctrination and observed exercises in the following areas:

(a) watchstations,

(b) inport/underway emergency bills,

(c) selected operational bills,

(d) team training/exercises to support the foregoing.

b. Progress monitoring.

(1) The FIT is neither manned nor configured to function as a participant in the quality assurance of the shipbuilding contract. The assigned monitoring function is advisory in nature for the purpose of providing timely information on the progress of construction and outfitting to the PCO and the Naval Surface Force Commander. Liaison with the Supervisor of Shipbuilding shall be maintained in support of this advisory function.

(2) Specific duties of the FIT shall include:

(a) monitoring equipment installation and the status of equipment/system tests,

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(b) monitor the outfitting and furnishing of all spaces,

(c) monitor the fitting out of provisions,

(d) monitor the fitting out of ship store stock,

(e) requisition those items required for fitting out not under the cognizance of the contractor or other activity,

(f) monitor contractor fitting out,

(g) submit progress and readiness reports as required by reference (b),

(h) represent the Naval Surface Force Commander at locally conducted meetings and conferences,

(i) represent the Naval Surface Force Commander at builder's trials and acceptance trials,

(j) provide reports of trials conducted to the Naval Surface Force Commander,

(k) maintain a file of recurrent INSURV items.

c. Coordination of administrative outfitting

(1) receive and file all technical manuals,

(2) coordinate procurement and installation of 3-M software,

(3) coordinate procurement and installation of PQS software,

(4) organize and maintain the ship's general active files including the following:

(a) a tickler file of pending action items,

(b) serialized correspondence files,

(c) control and storage of classified materials,

(d) directives files,

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(e) turnover information including ships' records of tests, trials and receipts of material transfers,

(f) deficiency listings.

d. Coordination with other activities.

(1) coordinate with the Naval District Commandant on preparations for habitability inspection and commissioning,

(2) coordinate with and assist the Fleet Outfitting Supply Assist Team (FOSAT),

(3) coordinate and assist in 3-M and PQS implementation,

(4) coordinate and assist in EOSS implementation.

e. Facilities and support functions.

(1) as prescribed in the FIT manual, take custody of and maintain those facilities, materials and equipage specified for the FIT and/or provided for precom crews,

(2) maintain and manage those support services prescribed in the FIT manual,

(3) formulate and maintain the PCO manual,

(4) manage and monitor the indoctrination and training of FIT members.

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ANNEX E
FFG 7 CREWS1. Nucleus Crews

a. The elements of the FFG 7 Class ship Plan For Use, reference (f), discusses the utilization of nucleus crews, as well as FIT's. Since ship's crews have not had the benefit of the FIT's hands-on experience, this program provides a means for a thorough development of crew qualification prior to the ship's force taking the ship to sea the first time.

b. The nucleus crew personnel will phase in 2 to 4 months prior to their ship delivery, and in sufficient time to arrive for acceptance trials (AT). Nucleus crew personnel will report to the builder's site in two increments. The first increment--prospective commanding officer (PCO), 5 officers and 37 selected enlisted personnel--will arrive approximately 4 months prior to ship delivery. These personnel will be responsible for establishing the nucleus crew functions as herein prescribed. Additionally, since the PCO is under the administrative control of Type Commanders, it is essential that he establish and maintain open lines of communications between his command and that of the FIT, and coordinating all requests, plans, schedules, trials, delivery, and commissioning.

c. The second increment--3 officers and 7 enlisted combat systems personnel--will arrive approximately 2 months prior to ship delivery after completing Combat Systems team training. Composition of nucleus crew increments at Appendix I of this annex.

2. Balance Crew. The balance crew of 3 officers and 108 enlisted will assemble approximately 2 months prior to delivery, at a fleet training center for precommissioning training, and will report to the builder's site approximately 2 weeks prior to their ship's delivery. During this 2 week period, the FIT and nucleus crew will train and assist the balance crew in shipboard and equipment/systems familiarization; familiarization with the ship's bills; space and equipment turnover or transfer; loading and receipt of classified and selected items; and preparation for/and commissioning. The FIT responsibility will encompass a period of approximately 4-6 weeks after delivery. The completion date is flexible and at the discretion of the ship's Commanding Officer and the Officer in Charge,

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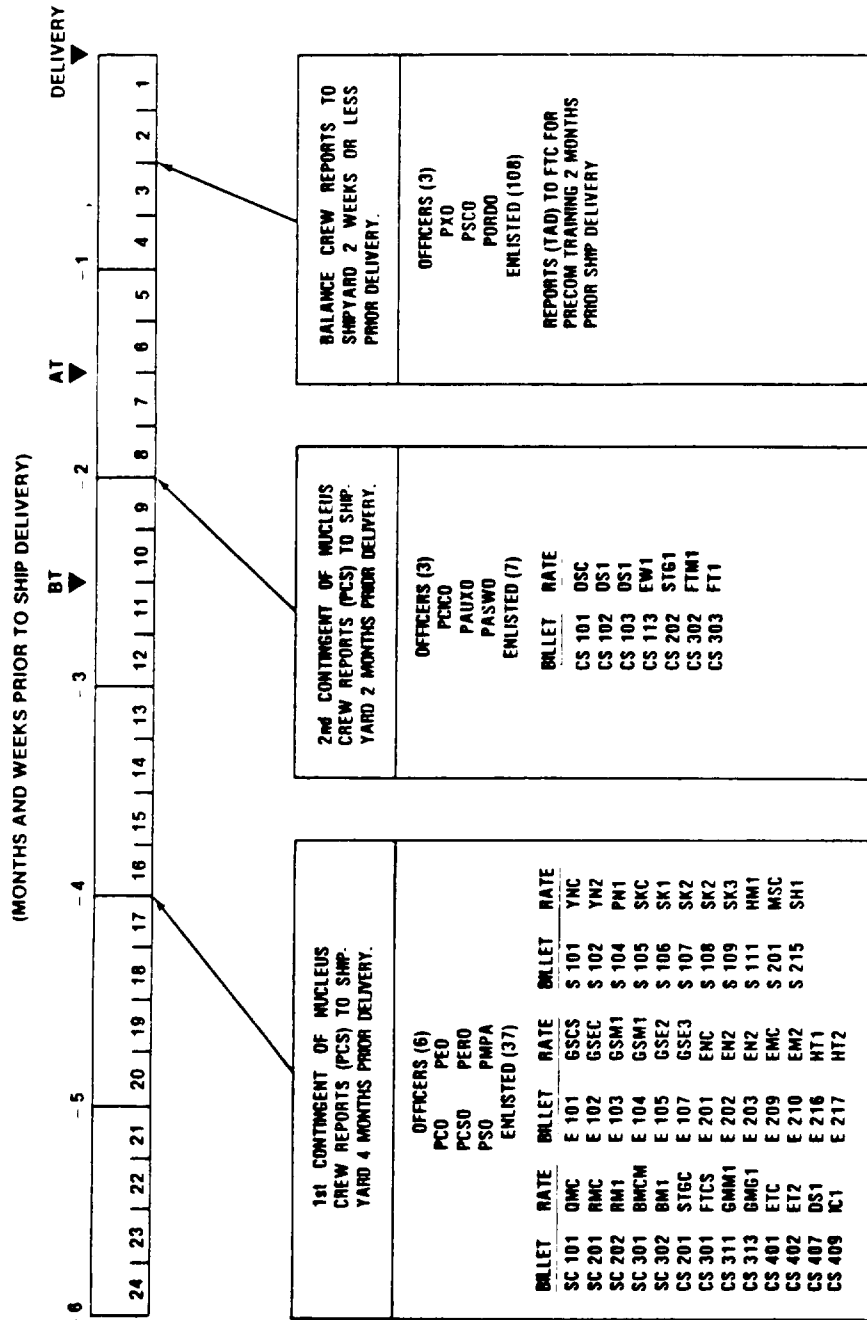
FIT. This decision should be based upon the completion of all training objectives, i.e., the ship is ready for post-delivery tests and trials and the shakedown training.

3. Key Events. Key events in the crew phasing are graphically depicted in Appendix II to this annex.

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APPENDIX I

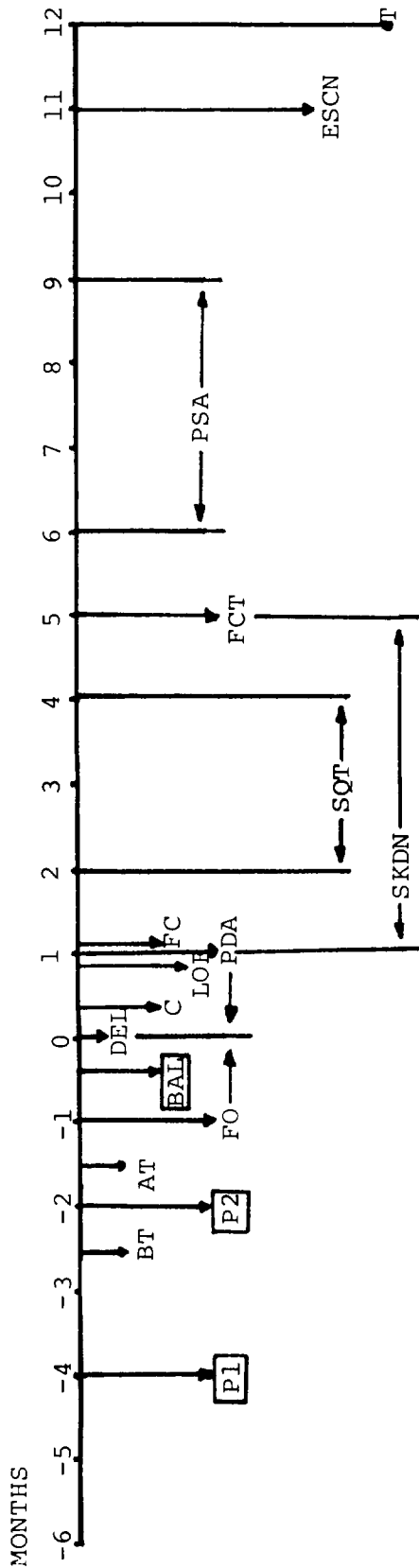
NUCLEUS/BALANCE CREW COMPOSITION AND PHASING



APPENDIX II

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KEY EVENTS FOR FFG-7 CLASS SHIP INTRODUCTION



KEY

P1 - Phase 1 Nucleus Crew
 P2 - Phase 2 Nucleus Crew
 BAL - Balance Crew
 BT - Builder's Trials
 AT - Acceptance Trials
 FO - Fitting Out
 DEL - Delivery
 FC - Fast Cruise
 [] - Personnel Manning

C - Commissioning
 PDA - Post Delivery Availability
 SKDN - Shakedown
 SQT - Special Qualifications Trials
 FCT - Final Contract Trials
 PSA - Post Shakedown Availability
 ESCN - End SCN Funding
 T - Transfer to SLM
 LOE - PEB Light-Off Exam